

Amendments to the Claims:

1. (Currently Amended) A pesticidal composition, comprising:
a non-aqueous, water miscible solvent at least 20% by weight; and
a synergistic and pesticidally effective combination of two or more plant alkaloids
selected from the group consisting of toosendanin, tomatine, stemonine, nicotine, anabasine,
matrine, oxymatrine, sophocarpine, N-oxysophocarpine, cytisine, and aloperine, ~~wherein the~~
~~composition is formulated to function as a pesticide.~~
2. (Original) The composition of claim 1, wherein the solvent is selected from the group
consisting of triacetin, polyethylene glycols, polysorbates, poloxamers, polyoxyethylene ethers,
polyoxyethylated alkylphenols, copolymer of alkylphenol epoxyethane and epoxypropane, N-
methyl pyrrolidone, propylene glycol, ethyl acetate, dimethyl sulfoxide, dimethyl acetamide,
benzyl alcohol, 2-pyrrolidone, benzyl benzoate, C₂₋₆ alkanols, 2-ethoxyethanol, 2-ethoxyethyl
acetate, methyl acetate, ethyl acetate, ethylene glycol diethyl ether, ethylene glycol dimethyl
ether, and tributyrin.
3. (Original) The composition of claim 1, wherein the solvent is polyoxyethylene ether.
4. (Original) The composition of claim 1, wherein the solvent is polyoxyethylated
alkylphenol.
5. (Original) The composition of claim 1, further comprising an extract derived from a plant
selected from the group consisting of *Anabasis aphylla*, *Nicotiana acuminata*, *Duboisia*
myoporoides, *Zinnia elegans*, and *Zollikoferia eliquiensis*, which contains anabasine.
6. (Original) The composition of claim 1, further comprising an extract derived from a plant
that selected from the group consisting of *Melia toosendan Sieb. et Zucc.* and *Melia azedarach*
L., which contains toosendanin.
7. (Original) The composition of claim 1, further comprising an extract derived from
Lycopersicon esculentumb that contains tomatine.

8. (Original) The composition of claim 1, further comprising an extract derived from a plant selected from the group consisting of *Sophora flavescens* Ait., and *Sophora alopecuroides* L, which contains matrine, oxymatrine, sophocarpine, and N-oxysophocarpine,
9. (Original) The composition of claim 1, further comprising an extract derived from *Sophora alopecuroides* L. that contains cytosine and aloperine.
10. (Original) The composition of claim 1, further comprising a plant alkaloid selected from the group consisting of ricinine, harmaline, stellerin, euphol, triptonide, tripdiolide, and triptolide.
11. (Original) The composition of claim 10, further comprising an extract derived from *Ricinus communis* L. that contains ricinine.
12. (Original) The composition of claim 10, further comprising an extract derived from *Peganum harmala* L. that contains harmaline.
13. (Original) The composition of claim 10, further comprising an extract derived from *Stellera chamaejasme* L. that contains stellerin and euphol.
14. (Original) The composition of claim 10, further comprising an extract derived from *Tripterygium wilfordii* hook F. that contains triptonide, tripdiolide, and triptolide.
15. (Original) The composition of claim 1, further comprising an extract derived from *Radix stemonae* that contains stemonine.
16. (Original) The composition of claim 1, further comprising an alkaloid selected from the group consisting of aconitine, rotenone, and arteannuine.
17. (Original) The composition of claim 16, further comprising an extract derived from *Aconitum kusnezoffii* reichb or Common monkshood mother root that contains aconitine.

18. (Original) The composition of claim 16, further comprising an extract derived from *Derris trifoliata* Lour that contains rotenone.
19. (Original) The composition of claim 16, further comprising an extract derived *Herba artemisiae annuae* that contains arteannuine.
20. (Original) The composition of claim 1, further comprising a pyrethrin compound.
21. (Original) The composition of claim 20, wherein the pyrethrin compound is pyrethrin chlorocyanide.
22. (Original) The composition of claim 1, further comprising imidacloprid.
23. (Original) The composition of claim 1, further comprising a surfactant.
24. (Original) The composition of claim 23, wherein the surfactant is selected from the group consisting of polyoxyethylated sorbitan monoesters, polyoxyethylated aryl-alkyl alcohols, polyoxyethylated fatty acids, and polyoxyethylated aryl-alkyl esters.
25. (Original) The composition of claim 1, wherein the concentration of the alkaloids is between about 0.1%-20%.
26. (Original) The composition of claim 1, wherein the concentration of the alkaloids between about 1%-15%.
27. (Original) The composition of claim 1, wherein the concentration of the alkaloids between about 2%-10%.
28. (Original) The composition of claim 1, further comprising an acidifying agent.
29. (Original) The composition of claim 1, further comprising an alkaline agent.

30. (Currently Amended) The composition of claim 1, further comprising an antioxidant,

31-56 (Canceled without prejudice)